

~~SECRET~~, GRAJ, L.

POLAND/Chemical Technology. Chemical Products and Their Application. Cellulose and Derivatives. Paper.

H-33

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 16508

Author : Wnuk Marian, Kontek Waclaw, Graj Lech

Inst : Institute of Wood Technology.

Title : Investigation of the Possibility of Utilizing Extracted Oak Chips for the Production of New Materials.

Orig Pub: Prace Inst. technol. drewna, 1956, 3, No 3, 78-91.

Abstract: The possibility has been ascertained of utilizing the residues obtained after extraction of tannins from oak chips (I) for preparing materials of the type of wood plastics: particles of I sorted by size and containing 70% moisture are dried to a moisture content of 10-12%, mixed with 10% "Alpit" phenol-formaldehyde resin and molded into articles (panels, window sash, staves, etc.) at 140° (pressure 100 kg/cm²,

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"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516520007-5

SECRET

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35573-65

$$\text{EFC}(b) = 2/\text{EPP}(c)/\text{EPP}(n) = 2/\text{EPP}(\text{EPA}(c))/\text{EFC}(k) = 2/\text{EPA}(h)/\text{EPA}(k)/\text{EPP}(k)/$$

(1) The term "operator" means a person who has the right to control or direct the use of a vessel.

201/MC/J

AUTHOR: Piekara, A.; Kaczmarek, F.; Drobniak, A.; Graja, A.; Ramiszowna, T.

TITLE: Lasers at the Poznan scientific center

SOURCE: Postepy fizyki, v. 15, no. 4, 1964, 451-457

TOPIC TAGS: laser, ruby laser, helium neon laser, nonlinear optics, excitation threshold

ABSTRACT: For the past few years, the Katedra fizyki doswiadczałnej Uniwersytetu im. A. Mickiewicza (Experimental physics department of Adam Mickiewicz University) and the Zakład dielektryków Instytutu fizyki PAN (Dielectrics department of the Physics Institute of the Polish Academy of Sciences) in Poznań have been carrying on theoretical studies in the field of nonlinear optics. Since the second half of 1961, the Poznań scientific center has been engaged in experimental studies on lasers. The purpose of these studies was to design gaseous and ruby lasers and apply them to the investigation of nonlinear optical and dielectric effects. Towards the end of 1963, the design of a few experimental models of gaseous, helium-neon lasers for the near infrared ($\lambda = 1.15 \mu$) was completed, and also two

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ACCESSION NR: AP4047632

ruby lasers were put into operation ($\lambda=6943 \text{ \AA}$). One of them operates with a ruby in a confocal system of mirrors and the other operates with a ruby rod and plane mirrors. The gaseous helium-neon lasers, the schematic diagram of which is shown in Fig. 1 of the Enclosure, are described. A 28mc oscillator was used to trigger the lasers into operation. The output power of the lasers in continuous operation was of the order of a few milliwatts. The purpose of further work is to increase the output power in order to use them for the investigation of nonlinear effects. The ruby lasers, the schematic diagram of which is shown in Fig. 2 of the enclosure, have a pulsed operation and thus gave much higher peak powers of the optical beam. The synthetic ruby crystals were produced by the Huta Aluminum (Aluminum Smelting Plant) in Skawina. In order to lower the excitation threshold, the ruby was cooled with liquid nitrogen. Oscillograms of ruby fluorescence below the excitation threshold and of lasing above the excitation threshold are given, when the ruby was placed in a confocal system of mirrors. The other laser employed a ruby rod (made in Switzerland) having surfaces polished and coated with totally reflecting silver layers. One of the end surfaces had a transmittivity of 1-2%. The physical data on gaseous and ruby lasers are tabulated. The laser employing a confocal ruby gave a more divergent beam than the laser em-

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2

employing the ruby with flat ends. The confocal ruby had a 30% lower energy of excitation than the ruby with flat end surfaces. The least divergent beam (angle of divergence of 45') was obtained with the Swiss-made ruby 50 mm in length, 5.0 mm in diameter, with a Cr⁺³ concentration of 0.035% and employing plane silver mirrors. The purpose of further work will be to design and produce ruby lasers of high output powers suitable for the investigation of nonlinear dielectric, optical, and electrooptical effects in liquids and crystals. Orig. art. has: 7 figures, and 2 tables.

ASSOCIATION: Katedra fizyki doswiadczałnej Uniwersytetu im. A. Mickiewicza (Experimental physics department, Mickiewicz University); Zakład dielektryków Instytutu fizyki FAN, Poznań (Dielectrics department, Physics institute, PAN)

SUBMITTED: 00

ENCL: 02

SUB CODE: OP, EC

NO REF SOV: 000

OTHER: 005

Card 3/5

GRAJDEK, Ryszard, Mgr inz., asystent

Computation of double bound gear transmission. Przegl mech
22 no.248751-754 D'63.

1. Katedra Obrabiarek, Politechnika, Poznan.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516520007-5

GRAJEK, C. (Gdansk)

On determining bounded solutions of linear differential equations of
order n. Colloquium mathem 9 no. 1:119-125 '62.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516520007-5"

GRAJEK, C. (Gdansk)

On determining bounded solutions of linear differential equations
by the small parameter method. Col math 9 no.2:305-312 '62.

GRAJEWSKA A.

- 297
1. "Arthromegie Choleste (Montgomery's Disease)," Trud wet. JASZINSKI; pp 193-197.
 2. "Field Diagnosis of Str. agnacias using the Host," M. J. WILKINSON, Jr., S. HANVYCI, and A. ORBISZ. SKA of the Research Office of Animal Health, Institute of Veterinary Research of the Institute of Veterinary Sciences (director: Dr. Jerry WILKINSON), of the Zootechnical Institute (Institute of Veterinary Medicine) at Krakow, and of WISTI (Wojewódzki Zakład Rolnicyjny Weterynarii); Biodynamic Veterinary Hygiene Research Office; Bydgoszcz; pp 197-201 (English summary).
 3. "Cases of Aleksy's Disease in Silver Foxes, White Foxes and Lynxes," Jadwiga JELLINEK and F. Vanda PEREŁKO; of the WIV at Katowice (Director: Prof. Dr. JERRY SZALINSKI); pp 201-204.
 4. "Transnasal Immunization of Chickens Against Newcastle Disease Using the Strains MR. LADOCKA and F. Vanda PEREŁKO; of the Research Office for Poultry Diseases (Fakultet Chorób Ptaków) of the WSO (Akademia Rolnicza w Szczecinie, Wydział: Nauk Rolniczych) at Warsaw (Director: Doctor: Dr. Małgorzata MARX); pp 205-207 (English summary).
 5. "Notes on the Seroprevalence of Brucellosis of Sheep," Leopold UDOLSKI of the WSO at Wrocław (Director: Dr. J. GÓRSKI); pp 207-209 (English summary).
 6. "Neurotic Reaction and Blood Picture in Cattle Infected with the Babesiosis," Antoni DZIĘKA and Zofia MŁODCZYŃSKA of the Chair of Pathobiology (Katedra Mikrobiologii i Ch. Pat. Bioteknologicznej) of the Faculty of Veterinary Science (Wydział Nauk o Zwierzętach) of the SGH at Warsaw (Director: Prof. Dr. A. KAZMIERZAK) and of Small-animal Disease Research Office (Fakultet Chorób Zwierząt) of the Faculty of Veterinary Sciences of SGH at Warsaw (Director: Doctor Dr. W. GRĄKOWICZ); pp 210-211.
 7. "Capture of Spleen in a Bull suffering from Tuberculosis," Zenon WACHLIK and Jan SPURKOWSKI of the Chair of Parasitology (Katedra Etiopatologii) of the Faculty of Veterinary Science of the Higher School of Agriculture (WSA, Wyższa Szkoła Rolnicza) at Świdwin (Director: Prof. Dr. Tadeusz JORNA); pp 212-212.

GRAJENSKA, Czeslawa.

Observations on the application of pendiomid during the excision
of the pulmonary tissue. Polski tygod. lek. 11 no.4:153-156 23 Jan 56.

1. § Oddzialu Chirurgicznego Sanatorium Sokolowskiego w Zakopanem;
Kier.: prof. dr Wit Rzepecki. Zakopane, Sanatorium im. Sokolowskiego.

(AUTONOMIC DRUGS, ther. use
pendiomide in lung resection)

(LUNGS, surg.
resection, pendiomid in anesth.)

EXCERPTA MEDICA Sec 7 Vol 13/3 Pediatrics Mar 59

871. VALUE OF SUXAMETHONIUM IN PULMONARY RESECTIONS IN CHILDREN - Wartość sukcynylcholiny w śródłchawiczym uśpieniu u dzieci.
(Próby kliniczne polskiego preparatu) - Grajewska C. Oddz. Ftyzjochir.
Dziec. Ośrodka Sanat.-Prewentoryjnego, Rabce - POL. PRZEGŁ. CHIR.

Dziec. Ośrodka Sanat.-Prewentoryjnego, Rabce - POL. PRZEGŁ. CHIR.

1958, 30/3 (251-254)

The clinical value of suxamethonium was investigated in 90 children aged 3 to 18, who had been subjected to pulmonary resection of tissue or other interventions on the thorax. This drug, when administered in general intratracheal anaesthesia, proved to be an excellent relaxant. It is short-acting, and particularly facilitates intubation, and in none of the cases observed did it cause any complications or serious side-effects.

(VII, 9, 15)

GRAJEWSKA, Czeslawa

On anesthesia in surgical interventions on children in "wet" conditions.
Postepy hig. med. dosw. no. 2:70-71 '60.

1. Z Oddzialu Torakochirurgii D.O.S.P. w Rabce.

(PNEUMONECTOMY in inf & child)
(ANESTHESIA GENERAL in inf & child)

GRAJEWSKA, Czeslawa; HOFMAN, Danuta; WALEWSKA, Emilia

Repeated bronchoscopies in lymphogenic lesions. Gruzlica 33 no.8:
649-652 Mg ' 65

1. Z Sanatorium Przeciwgruzliczego dla Dzieci w Legiewnikach
(Kierownik naukowy: prof. dr. med. A. Margolisowa).

GRAJKOWSKI, Henryk

Effect of steel and perlon mesh on the durability of acrylate
denture plates. Czas. stomat. 18 no. 12:1401-1405 D ' 65.

l. Z Zakladu Protetyki Stomatologicznej AM w Poznaniu (Kierow-
nik: doc. dr. R. Sarrazin).

MIELECKI, Tadeusz, doc. dr inz.; SZULAKOWSKI, Waclaw, mgr inz.; GRAJMER,
Janusz, inz.

Coal as source of detrimetal sediments on the heating
surface of boilers. Przegl gorn 19 no.11:443-444 N '63.

GRAJNER, S.

"Investigation on the prototype of the SH-23 hydraulic coupling."
Biuletyn.

pl 7 (Przeglad Gorniczy) Vol. 12, no. 4, Apr. 1956
Katowice, Poland

SO: Monthly Index of East European Accessions (EAAI) LC. Vol. 7, no. 4,
April 1958

GRAJNERT, Kazimierz, Mgr.

Biochemistry of adrenal steroids. Postepy reumat. no.1:58-65 1954.

1. Z Państwowego Instytutu Reumatologicznego Dyrektor: prof dr.

E.Reicher.

(ADRENAL CORTEX, hormones,
chem.)

PAGOWSKA-WAWRZYNSKA, Jadwiga, Dr med.; GRAJNERT, Kazimierz, mgr.

Effect of mud packs on 17-ketosteroids in urine and on eosinophil count in ankylosing spondylitis. Postepy reumat. no.1:126-136 1954.

1. Z Państwowego Instytutu Reumatologicznego Dyrektor: prof. dr E. Reicher.

(SPONDYLITIS, ANKYLOSING, therapy,
mud ther., eff. on eosinophil count & urinary 17-keto-
steroids)

(STEROIDS, in urine,
17-keto, in spondylitis, ankylosing, eff. of mud ther.)

(EOSINOPHIL COUNT, in various diseases,
spondylitis, ankylosing, eff. of mud ther.)

(URINE,
17-ketosteroids in spondylitis, ankylosing, eff. of mud
ther.)

(MUD THERAPY, in various diseases,
spondylitis, ankylosing, eff. on eosinophil count &
17-ketosteroids)

GRAJMER, Kazimierz

Salicylic acid level in blood and its relation to blood proteins.
Postepy reumat. no.2:156-167 1956.

1. Z Instytutu Reumatologicznego w Warszawie Dyrektor Instytutu:
prof. dr. E. Reicher.

(SALICYLIC ACID, in blood
mechanism of action in rheum. ther. (Pol))
(RHEUMATISM, ther.
salicylic acid, mechanism of action (Pol))

Grajnert, k

GRAJNERT, K.; MAKAY, M.; RAJPERT, D.

Effect of mud liniments on the secretion of 17-ketogenic steroids in patients with ankylosing spondylitis. Postepy reumat. no.3:72-80 1957.

1. Z Instytutu Reumatologicznego. Dyrektor: prof. dr Eleonora Reicher.

(SPONDYLITIS, ANKYLOSING, urine in

17-ketosteroids, eff. of mud liniments (Pol))

(17-KETOSTEROIDS, in urine

in ankylosing spondylitis, eff. of mud liniments (Pol))

(LINIMENTS, eff.

mud liniments on urinary 17-ketosteroids in ankylosing spondylitis (Pol))

JEDRZEJEWSKI, Roman; GRAJNERT, Kazimierz; IWANOWA, Twetana

Studies on the effect of surgical trauma on the excretion of keto steroids. Polski tygod. lek. 14 no.39:1737-1742 28 Sept 59.

1. (Z I Kliniki Chirurgicznej A. M. w Warszawie; kierownik: prof. dr T. Butkiewicz i z Państwowego Instytutu Reumatologicznego; kierownik: prof. dr E. Reicher).
(17-KETOSTEROIDS, in urine) (SURGERY, OPERATIVE, urine)

GRAJNERT, Kazimierz

Determination of 17-ketosteroids in urine. Polskie arch. med.
wewn. 29 no.9:1193-1201 1959.

l. Z Instytutu Reumatologii w Warszawie Dyrektor: prof. dr med.
E. Reicher.
(17-KETOSTEROIDS, urine)

GRAJNERT, Kazimierz; JAWORSKA, Hanna; REICHER, Eleonora

Proteins, mucoproteins and glucoproteins in the blood serum of normal subjects and of patients with chronic progressive rheumatism. Reumatologia Polska no.3:309-311 '60.

1. Z Instytutu Reumatologicznego w Warszawie Dyrektor: prof. dr med. E. Reicher

(ARTHRITIS RHEUMATOID blood)
(BLOOD PROTEINS)
(GLYCOPROTEINS blood)
(MUCOPROTEINS blood)

GRAJNERT, Kazimierz

Salicylate metabolism in man. Use of paper chromatography in the study of salicylate metabolites in urine and blood. Reumatologia Polska no.3:397-406 '60.

1. Z Instytutu Reumatologicznego w Warszawie Dyrektor: prof. dr med. E. Reicher
(SALICYLATES metab)

GRAJNERT, Kazimierz

Control of results in the Laboratory of Clinical Chemistry. Pol. tyg.
lek. 17 no.40:1549-1552 1 0 '62.

1. Z Katedry Analityki Lekarskiej Studium Doskonalenia Lekarzy w AM
w Warszawie; kierownik: doc. dr med. Jerzy Krawczynski.
(CHEMISTRY ANALYTICAL) (TECHNOLOGY MEDICAL)

GRAJNERT, Kazimierz

A micromethod for the determination of salicylates in blood.
Wiad. lek. 18 no.12:1013-1019 15 Je '65.

l. Z Katedry Diagnostyki Laboratoryjnej SDL [Studium Doskonalenia Lekarzy] w Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. J. Kravczynski).

ZORE, Mira; IRIC, Ante; GRAKALIC, Mladen, kapetan fregate; BULJAN,
Miljenko, dr.

Review of conferences and consultations during 1958. Hidrograf.god
1958 (Published 1959):89-100. (MEAI 9:5)

1. Jugoslovenska ratna mornarica (for Grakalic).
(Adriatic Sea) (Yugoslavia--Hydrography)

GRAKAUSKAS, B. M.

Cand Agr Sci - (diss) "Reserves and means for increasing the production of agricultural products in the kolkhozes of the Lithuanian SSR." Kaunas, 1961. 42 pp; (Ministry of Agriculture Lithuanian SSR, Lith Agr Academy); 200 copies; free; list of author's works on pp 41-42 (18 entries); (KL, 10-61 sup, 221)

POPOVA, L.A., inzh.; ANTIPIÑA, V.I.; GRAKHOV, A.N., starshiy inzh.; PERSHINA, M.P., tekhn.; TEREN'T'YEVA, K.A., starshiy tekhn.; ZARINA, Ye.S.; TUULYA-METS, Kh.Yu., inzh.; MERILA, L.A., starshiy inzh.; KUZNETSOV, I.V., red.; EYPRE, T.F., red.; SVITINA, A.A., red.; MOISEYEV, I.N., red.; FLAUM, M.Ya., tekhn. red.

[Hydrological yearbook] Gidrologicheskii ezhegodnik. Leningrad, Gidrometeor. izd-vo. 1957. Vol.1. [Basin of the Baltic Sea] Bassein Baltiiskogo moria. Nos.0-3. [Basins of the Gulf of Finland and the Gulf of Riga from the Russian-Finnish frontier to the northern watershed of the Salaca River] Basseiny Finskogo i Rizhskogo zalivov ot gosudarstvennoi granitsy s Finliandiei do severnogo vodorazdela r.Salatsa. Pod red. I.V.Kuznetsova i T.F.Eipre. 1961. 460 p. (MIRA 14:9) (Baltic Sea region--Hydrology) (Kama Valley--Hydrology)

GRAKHOV, Gennadiy Nikolayevich; SOLYANOVA, E., red.; DERVAS, I.,
tekhn. red.

[For 75 kilograms of cocoons from a box of eggs] Za 75 kilo-
grammov kokonov s korobki greny. Tashkent, Gosizdat UzSSSE,
1957. 13 p.
(MIRA 15:11)
(Uzbekistan--Sericulture)

GRAKHOV, L. K.

GRAKHOV, L. K. -- "The Effect of Individual Factors on the Thermal Balance of the Small-Scale Bessemer Process." Min Higher Education USSR. Central Asia Polytechnic Inst. Tashkent, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

No 1

SO: Knizhnaya Letopis', 1956, pp 102-122, 124

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18(3)

AUTHORS: Fuklev, V. A., Grakhov, L. K. SOV/163-59-2-15/48

TITLE: On the Problem of Overheating of Steel in Side Blown Bessemerizing (K voprosu o peregrevе stali pri malom bessemerovanii)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Metallurgiya, 1959, Nr 2, pp 78-83 (USSR)

ABSTRACT: In the process mentioned in the title, the temperature rise due to oxidation of silicon is about 2 to 2 1/2 times higher than the one caused by carbon combustion. This is explained by the fact that the silicon fully oxidizes in the liquid metal phase and emits its heat to the latter, whereas the carbon in the metal only partially oxidizes, and burns to CO₂ only outside the metal. Thus, the oxidation of Si is decisive for the temperature of the metal. The course of the gas temperature during the blowing of the side blown converter - shown in figures 1 and 2 - proves that the gas cannot cause an overheating of the tank. The authors advocate such overheating since it considerably shortens the blowing period (Fig 3), attaining a better utilization of the oxygen blown in. The habit of economizing ferrosilicon in practice is

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On the Problem of Overheating of Steel in Side Blown Bessemerizing SOV/163-59-2-15/48

criticized. In this case, the required temperature is only attained by the burn-up of iron, for which purpose 8 times more iron than silicon is necessary. Maximum efficiency is attained by high overheating, good utilization of the oxidation reactions of silicon and carbon, optimum utilization of the wind oxygen, and a minimum burn-up of iron. There are 3 figures and 4 references, 3 of which are Soviet.

ASSOCIATION: Sredneaziatskiy politekhnicheskiy institut
((Soviet) Central Asia Polytechnic Institute)

SUBMITTED: August 28, 1958

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18(5)

SOV/128-59-6-8/25

AUTHOR: Grakhov, L.K., and Fuklev, V.A., Candidates of Techni-
cal Sciences

TITLE: Some Aspects of the Side-Blown Bessemer Process

PERIODICAL: Liteynoye Proizvodstvo, 1959, Nr 6, pp 20-22 (USSR)

ABSTRACT: Scientific studies have shown that Bessemer steel comes very close to or even surpasses with its properties the Siemens Martin steel and electric steel. This is indicated too by the considerable attention given to Bessemer steel during recent years. (The authors quote an article by S.E. Smith and J.E. Loy in "Blast Furnace and Steel Plant", March 1950). The specific specialties of the "baby Bessemer process" consist of blowing air at the surface of the converter or at an insignificant depth (but not from the bottom). The author compares the English experiments ("Journal Of Iron And Steel Institute", January and February 1947) and the Soviet experiments (Grakhov, L.K., Doctor thesis, 1955), both arriving at the same con-

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Some Aspects of the Side-Blown Bessemer Process

clusions about the "baby Bessemer process" with regard to the absorption of oxygen. The type of blowing is the basic factor of the baby Bessemer process. A similar role plays the intensity of the blowing method. This is especially the case during the start of the melting process when there is not yet a "boiling Process" in the converter. The results of the experiments are listed by means of 5 graphs. Conclusion: It is the intention of the whole process to create the conditions for an intensive oxydation of the carbon and for a boiling of the contents of the converter during the longest possible priod of time. (Remark of the editors office: The so-called "boiling" (caused by the oxydation of the carbon) shall not be regarded as an independent factor). There are 5 graphs, and 9 references, 7 of which are Soviet and 2 English

Card 2/2

POSTOL, G.S.; SHAPIRO, S.Ye.; FRISHMAN, R.B.; RYLOVA, Ye.S.; GRAKHOVA, L.I.; ABUSHKEVICH, P.V.; MAZURIN, N.D.

Study of serous-viral meningitis in Khabarovsk in 1959. Vop. okh. mat. i det. 6 no.11:9-14 N '61. (MIR 14:12)

1. Iz kliniki pediatrii (zav. - dotsent G.S.Postol), kliniki infektsionnykh bolezney (zav. - dotsent S.Ye.Shapiro) Khabarovskogo meditsinskogo instituta (dir. - prof. S.K.Nechepayev) i sanitarno-epidemiologicheskogo otryada Dal'nevostochnogo okruga (nachal'nik M.I.Lev).

(MENINGITIS) (KHABAROVSK VIRUS DISEASES)

GRAKHOVA, M.T. (Krasnoyarsk)

Perithelioma of the mediastinum. Klin. med. 32 no.11:65-66 N 154.

(MIRA 8:1)

1. Iz gospital'noy khirurgicheskoy kliniki (zav.-prof. A.M.Dykhno)
Krasnoyarskogo meditsinskogo instituta.
(MEDIASTINUM, neoplasms
hemangiopericytoma)
(HEMANGIOPERICYTOMA
mediastinum)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516520007-5

RYABOVA, N.D.; GRAKHOVA, S.G.

Cryoscopic determination of cyclohexane purity. Izv. AN Uz. SSR.
Ser. khim. nauk no.3:89-93 '57.
(Cyclohexane) (Cryoscopy) (MIR 11:9)

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CIA-RDP86-00513R000516520007-5"

5(3)

SOV/80-32-5-32/52

AUTHORS: Rapoport, I.B., Nefedov, B.K., Grakhova, S.G.

TITLE: On the Reaction of Dehydrogenation of Higher Paraffin Hydrocarbons Over Coal Catalysts

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol 32, Nr 5, pp 1112-1121 (USSR)

ABSTRACT: The production of olefines from lower paraffin hydrocarbons is possible by means of dehydrogenation. The dehydrogenation of paraffin hydrocarbons with five and more carbon atoms is investigated here. At 450 - 510°C the dissociation of paraffin hydrocarbons takes place over activated coal with promotor. This reaction is accompanied also by dehydrogenation. The yield of liquid catalysts is 82 - 95%, the yield of gas 3 - 15%. The liquid products contained 20 - 30% unsaturated compounds. The raw material for the reaction was sintin, a product obtained from CO and H₂ over a Co-ThO₂-MgO catalyst. Promoters for the activated coal were salts of Na, Li, Rb, Cs and other metals. The promoters cause the increase of the H₂ : C_nH_{2n+2} ratio from 0.362 to 1.35. The best promoter is caustic soda followed by Na₂CO₃. Among the other metals a positive effect show only Li salts. The best carrier for the catalyst in the fraction 180 - 200°C is activ-

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SOV/80-32-5-32/52

On the Reaction of Dehydrogenation of Higher Paraffin Hydrocarbons Over Coal Catalysts

ated coal of type KAD. With the increase of the boiling point of the raw material the reaction of dissociation plays an important role. The yield of liquid products decreases and coke and gas formation increases. Since at 500 - 510°C the dissociation reaction prevails, the temperature should be kept at 470 - 480°C. At a volume rate of 3 vol/vol · catalyst · hour the dehydrogenation reaction prevails. The catalyst KAD + 1% NaOH decreases its activity after 10 - 12 hours and must be regenerated by superheated steam for 10 hours. Experiments with the single hydrocarbon n-heptane have shown that a partial dehydrogenation takes place without dissociation and dehydrocyclization. There are 6 tables, 4 graphs and 4 references, 2 of which are Soviet and 2 American.

SUBMITTED: October 9, 1957

Card 2/2

NUDEL'MAN, B.I.; GRAKHOVA, S.K.

Obtaining portland cement clinkers in fused salts at low calcination temperature with a steam aftertreatment. Uzb.khim. zhur. 7 no.3:13-15 '63. (MIRA 16:9)

1. Konstruktorsko-tehnologicheskoye byuro po stroymaterialam pri glavnom upravlenii promyshlennosti stroitel'nykh materialov Sredneaziatskogo soveta narodnogo khozyaystva.
(Portland cement) (Fused salts)

GUTTSAYT, Roman Moiseyevich; PETUKHOV, Vladimir Mikhaylovich;
GRAKHOVSKAYA, T.M., red.; BODANOVA, A.P., tekhn. red.

[Work of the committee of voluntary motor-vehicle inspection]
Rabota komissii obshchestvennogo kontrolia za tekhnicheskim
sostoianiem avtomobilei; iz opyta raboty avtokhozyaystv Lenini-
gradskogo upravleniya avtomobil'nogo transporta. Moskva, Avto-
transizdat, 1962. 45 p.
(MIRA 15:12)
(Leningrad—Motorvehicles--Inspection)

MERKULOV, Nikolay Semenovich, shofer; BAZHAN, Ivan Nikiforovich,
shofer; GAKHOVSKAYA, T.M., red.; GORYACHKINA, R.A.,
tekhn. red.

[Gas-tank trucks work round-the-clock. As told to M.S.
Blanter] Benzovozy rabotaiut kruglosutochno: Literaturnaia
zapis' M.S.Blantera. Moskva, Avtotransizdat, 1963. 29 p.
(MIRA 17:3)

LUK'YANCHENKO, Pavel Zakharovich; GRAKHOVSKAYA, T.M., red.;
GORYACHKINA, R.A., tekhn. red.

[Reinforced-concrete bridges] Zhelezobetonnye mosty. Mo-
skva, Avtotransizdat, 1963. 55 p. (MIRA 16:12)
(Bridges, Concrete)
(Reinforced concrete construction)

RAPOPORT, Mikhail Moiseyevich; GRAKHOVSKAYA, T.M., red.

[Mechanized accounting for the operation of automotive freight transportation] Mekhanizatsiya ucheta raboty gruzovogo avtomobil'nogo transporta. Izd.2., perer. i dop. Moskva, Transport, 1964. 93 p. (MIRA 17:5)

GRAKHOVSKAYA, T.M., red.

[Time norms for the maintenance of motor vehicles by separate operations] Pooperatsionnye normy vremeni na tekhnicheskoe obsluzhivanie avtomobilei. Moskva, Transport, 1964. 152 p. (MIRA 17:12)

1. Russia (1917- R.S.F.S.R.) Ministerstvo avtomobil'nogo transporta i shosseynykh dorog. TSentral'naya normativno-issledovatel'skaya stantsiya.

AKSENOVA, Z.I., kand. ekon. nauk; DENISOVA, O.N., inzh.,
retsenzent; GRAKHOVSKAYA, T.M., red.

[Economic aspects of freight transportation] Voprosy eko-
nomiki perevozok gruzov. Moskva, Transport, 1964. 164 p.
(MIRA 17:6)

KORF, Mayor Isaakovich; FAYBUSOVICH, Moisey Grigor'yevich;
FROLOV, Dmitriy Pavlovich; CRAKHOVSKAYA, T.M., red.

[Tables for the computation of wages for automobile,
bus, and truck drivers] Tablitsy dlia nachisleniya za-
rabotnoi platy shoferam. Izd.2., dop. Moskva, Trans-
port, 1964. 266 p.
(MIRA 17:6)

RITOV, M.N., kand. tekhn. nauk; GRAKHOVSKAYA, T.M., red.

[Method of calculating the cost of road machinery on the basis of machine-shifts] Metodika rascheta stoinosti mashino-smen dorozhnykh mashin. Izd.3., perer. i dop. Moskva, Transport, 1965. 159 p. (MIRA 18:4)

L 53867-65 EWT(1)/EWP(m)/EWT(m)/EWA(d)/EPR/EWP(t)/EWP(b)/EWA(l) P4-1/Ps-4/
PI-4 JD/WW
ACCESSION NR: AP5017240 UR/0170/64/000/007/0020/0024

AUTHOR: Grakhovskiy, B. M.; Semenenko, V. D.

39
B

TITLE: Particle density distribution with residence time in a fluidized bed

SOURCE: Inzhenerno-fizicheskiy zhurnal, no. 7, 1964, 20-24

TOPIC TAGS: fluid mechanics, particle motion

ABSTRACT: A theoretical solution is given for the one-dimensional problem of particle distribution density with residence time in a fluidized bed. It is assumed that the bed moves with constant velocity. The effect of bed motion and the sticking of particles on the uniform treatment of the material is discussed. Diagrams of the solution for several arbitrary values of the parameters are given. Art. has: 21 formulas, 1 graph.

ASSOCIATION: Filial Instituta teploenergetiki AN UkrSSR, Donetsk (Institute of Thermal Power Engineering, AN UkrSSR)

SUBMITTED: 22Apr63
NR REF SOV: 007

ENCL: 00
OTHER: 003

SUB CODE: NP, ME
JPRS

AM
Card 1/1

RUTENBURG, G., inzh.; GRAKHOVSKIY, R., inzh.

Automobile heaters operating independently of engines. Avt.
transp. 37 no. 3:20-23 Mr '59. (MIRA 12:4)
(Automobiles--Cold weather operation)

RUTENBURG, G., inzh.; GRAKHOVSKIY, R., inzh.

Heaters for engines. Avt. transp. 37 no.9:15-18 S '59.
(MIRA 12:12)

1.Gosudarstvennyy sovuznyy ordena Trudovogo Krasnogo Znameni
nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy
institut.

(Motor vehicles--Cold weather operation)

GRAKHOVSKIY, R.; SAMOYLOVICH, A.

Automatic engine preheaters. Za rul. 18 no.2:22-23 F '60.
(MIRA 13:6)

1. Gosudarstvennyy soyusnett ordena Trudovogo Krasnogo Znameni
nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut.
(Automobiles--Cold weather operation)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516520007-5

GRAKHOVSKIY, R.; KOMAROV, V.

Heater for automobiles. Za rul. 18 no.10:24-25 0 '60.

(MIRA 14:1)

(Automobiles—Cold weather operation)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516520007-5"

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516520007-5

GRAKHOVSKIY, R.

Movable heating units. Avt.transp. 38 no.3:21-22
Mz '60. (MIRA 13:6)
(Motor vehicles—Cold weather operation)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516520007-5"

GRAKHOVSKIY, R.

Requirements of heating and ventilation systems. Avt.transp. 38 no.10:
40-41 O '60. (MIRA 13:10)
(Motor vehicles--Heating and ventilation)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516520007-5

GRAKHOVSKIY, R., inzh.

New pulsating heater. Avt. transp. 38 no. 12:51-52 D '60.
(MIRA 13:12)
(Motor vehicles--Cold weather operation)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516520007-5"

GRAKHOVSKIY, R., inzh.

Automobile heating. Za rul. 19 no.12:16-18 D '61.
(MIRA 14:12)
(Automobiles--Heating and ventilation)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516520007-5

GRAKHOVSKIY, R., inzh.

Air conditioning in automobiles. Za rul. 20 no.9:16-17 S
'62. (MIRA 15:9)
(Automobiles--Air conditioning)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516520007-5"

GRAKHOVSKIY, R.

Eliminate shortcomings of the IAMZ starting preheater. Avt.
transp. 41 no.1:44-45 Ja '63. (MIRA 16:2)
(Motor vehicles—Cold weather operation)

GRAKHOVSKIY, S. [Hrakhouski, S.]; KARPOV, "I." [Karpau, Ul.];
SABALENKA, R.; KHADKEVICH, T.; GONCHAROV, I.
[Hancharou, I.], red.

[We will tell about Minsk] My raskazham pra Minsk.
Minsk, Belarus', 1964. 241 p. (MIRA 18:8)

GRAKIAC, A.

Not in all of the technology and rationalization clubs is it so
bad....p. 13. Vol. 6, no. 11, Nov. 1955 Warszawa

GOSPODARKA ZABOZOWA

SOURCE: East European Accession List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

GRAKINA, I. A.

Moskva sotsialisticheskaiia; pod red. I. A. Grakina, V.P. Pronina i T.A. Selivanova.
(Moskva), Moskovskii rabochii, 1940. 116, (4) p. DLC: DK601.R6

SO: LC, Soviet Geography, Part II, 1951/Unclassified

GRAKOV, B.S.

Clinical use of the acid erythrogram method in post-hemorrhagic
anemias. Hop.biофиз., biokhim.i pat.erit. no.2:234-252 '61.
(MIRA 16:3)

1. Krasnoyarskiy meditsinskiy institut.
(ERYTHROCYTES) (ANEMIA) (HEMORRHAGE)

GRAKOV, B.S.

Study of clinical erythrographic parallels. Vop. biofiz., bichim.
i pat.erit. no.2:253-269 '61. (MIRA 16:3)

1. Krasnoyarskiy meditsinskiy institut.
(ERYTHROCYTES)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516520007-5

GRAKOV, F.M.

Screw jack for lifting crane tracks. Rats. i izobr. predl. v stroi.
no.7:37-38 '58. (MIRA 11:12)
(Lifting-jacks) (Cranes, derricks, etc.)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516520007-5"

SOV/123-59-15-59460

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 15, p 84 (USSR)

AUTHOR: Grakov, V.

TITLE: Complex Dies for Sheet Stamping and Electromagnetic Blocks for Fixing Them

PERIODICAL: Prom.-ekon. byul. Sovnarkhoz ekon. adm. r-na, 1958, Nr 2, pp 23 - 31

ABSTRACT: The article has not been reviewed.

Card 1/1

HERMOCH, Vladimir; GRAKOV, Valerij

Magnetooptic shutters. Ces cas fys 13 no.6:463-469 '63.

1. Ustav fysiky pevných latek, Československá akademie, Praha
(for Hermoch). 2. Beloruská štátne univerzita, katedra
experimentalnej fyziky, Minsk (for Grakov).

GRAKOV, Vladimir Il'ich; MIKHEYEV, N.I., red.

[Dies with electromagnetic fastening on presses; design, electric circuits, preparation and operation]
Shtampy s elektromagnitnym krepleniem na pressakh;
konstruktsii, elektricheskie skhemy, izgotovlenie i
ekspluatatsiia. Kuibyshev, Kuibyshevskoe knizhnoe
izd-vo, 1963. 183 p. (MIRA 17:7)

L-18292-63

FWT(l)/EWP(q)/EMI(m)/RDS/EEC(b)-2/ES(w)-2 AFETC/ASD/

ACCESSION NR: AP3003674 AFWL/IJP(C)/SSD Pab-4 Z/0055/63/013/007/0509/0517
JD74
69

AUTHOR: Grakov, V., V. Hermoch

TITLE: Behavior of cathode spots in heavy electric discharge

SOURCE: Chekhoslovatskiy fizicheskiy zhurnal, v. 13, no. 7, 1963, 509-517

TOPIC TAGS: cathode spot, two types metal, positive ion, boiling surface, metal type

ABSTRACT: Object of the study was the aperiodic discharge of a condenser under atmospheric pressure: capacitance 105 microF, inductivity 30 microH, resistance 0.3 Ohms; tension on condenser 600 V; duration of discharge 180 microsec, maximum strength of current 400 A. The existance of cathode spots of 2 types was discovered. Those on Ni, Cu and Al, marked by rapid movement toward fresh sections of the electrode, apparently appear on all metals. If the autoelectronic mechanism of the emission from the cathode is assumed, their behavior may be explained thus: when the surface irregularities of the metal have been melted away and its crystal structure destroyed by the positive ions resulting

Card 1/12

18707-63
ACCESSION NR: AP3003674

3

from bombardment, the electron emission within the spots diminishes. This causes the center of the emission to pass to the neighboring sections with increased emission capacity, and ultimately the whole spot to be transferred there. The movement of the spot along the electrode consists of a whole series of such shifts. Those of the second type, op. Zn, Cd and Sn, have low mobility and occur only on metals with low thermophysical constants at the local boiling points of the cathode. They result because increased concentration of metal vapor under the boiling surface augments the ionizing action of the primary electrons. The consequent attachment of the spots of the second type to the centers of evaporation is responsible for their low mobility. It seems unlikely that the indicated subdivision of metals according to the behavior of the cathode spots on them was a subdivision upon the electric parameters of the discharge. Further experiments must clarify this question.

Orig. has 1 figure.

ASSN: (1) Chair of Experimental Physics of the Belorussian State University;
(2) Inst. of Physics of Solid Bodies, Cz AS.

Card 2/12

Z/037/62/000/005-6/011/049
E140/E520

AUTHOR: Grakov, V. E.

TITLE: Photoelectric measurement of self-absorption of spectral lines in impulse-gas discharge plasma.

PERIODICAL: Československý časopis pro fysiku, no. 5-6, 1962,
502-504

TEXT: A spark gap was imaged on a second, identical gap, electrically in series during a pulsed discharge, and the spectral behavior determined by means of a monochromator on whose entrance slit was imaged the second gap. Time resolved pictures of spectral lines are presented on an oscilloscope. The entire system is represented in Fig.1. It appears that the maximum absorption coincides with maximum radiation, but the systematic error at low intensities masks this effect. Some results are given in Table 1. There are 2 figures and 1 table.

ASSOCIATION: Beloruská statní universita V. I. Lenina, Minsk
(Belorussian State University, V.I.Lenin, Minsk)

~~Card 17~~

MAREK, Irzhi [Marek, Jiri]; ~~GRAKOVA, IL.~~ [translator]; KASYUGA, L. [translator];
MALININA, G., red.; LYANGUZOVA, tekhn. red.

[Equatorial land, or a full and detailed description of a trip
through Java and Bali undertaken in 1955] Strana pod ekvatorom,
ili polnoe i podrobnoe opisanie puteshestviia na Iavu i Bali,
predpriyatogo v 1955 godu.... [Moskva] Izd-vo TsK VIKSM "Molodaia
gvardiia," 1958. 175 p. (MIRA 11:7)

(Java--Description and travel)
(Bali (Island)--Description and travel)

*GARCIAT K.
GRAKOVA, T.K.*

Aid to medical workers in industrial enterprises. Zdrav.Ros.Feder.
1 no.4:36-37 Ap '57. (MIRA 10:11)

1. Predsedatel' Leningradskogo gorodskogo komiteta Obshchestva
Krasnogo Kresta.
(RED CROSS)

GRAKOVA, T.; PRIKAZCHIKOVA, G.

Сразу without fail. Voen.znen. 41 no.11:14-16 N 165.
(MIRA 18:12)

1. Predsedatel' Leningradskogo gorodskogo komiteta Krasnogo
Kresta (for Grakova). 2. Vneshtatnyy inspektor TSentral'nogo
komiteta Krasnogo Kresta RSFSR (for Prikazchikova).

GRAKOVA, T.E.

Our practice in collecting blood. Zdrav.Ros.Feder. 2 no.7:34-36
Jl'58 (MIRA 11:7)

1. Leningradskiy gorodskoy komitet obshchestva Krasnogo Kresta
(BLOOD DONERS)

GRAKOVA, T.K.

Our experience in the recruiting of donors. Akt.vop.perel.krovi
no.7:60-63 '59. (MIRA 13:1)

1. Leningradskiy gorodskoy komitet Krasnogo Kresta.
(LENINGRAD--BLOOD DONORS)

GRAKOVA, T.K.

Attracting the public to the improvement of labor conditions in
industrial enterprises. Zdrav. Ros. Feder. 5 no. 3:11-14 Mr '60.
(MIRA 14:2)

1. Predsedatel' Leningradskogo gorodskogo komiteta obshchestva
Krasnogo Kresta.
(LENINGRAD—INDUSTRIAL HYGIENE)

RUDENKO, G.D.; GRAKOVA, T.K.

Control of home injuries. Zdrav.Ros.Feder. 6 no.11:24-26 N '62.
(MIRA 15:12)

1. Iz organizatsionno-metodicheskogo otdela (zav. - prof. S.Ya.
Freydlin) Leningradskogo instituta travmatologii i ortopedii
(dir. - prof. V.S.Balakina) i Leningradskogo gorodskogo
komiteta Obshchestva Krasnogo Krasta.
(HOME ACCIDENTS—PREVENTION)

OL'DEKOP, Yu.A.; BYLINA, G.S.; GRAKOVICH, L.K.; BULOYCHIK, Zh.I.; TEYF, Zh.D.

Acyl peroxides. Part 7: Synthesis of asymmetrical diacyl peroxides of aliphatic and hexahydroaralyphatic series. Zhur. org. khim. 1 no.1:82-86 Ja '65. (MIRA 18:5)

1. Belorusskiy gosudarstvennyy universitet im. V.I.Lenina.

GRAKOVSKIY, G.Yu.

Using FEP-3 and FEP-4 pyrometers for the measurement of flame
radiation. Izv. vys. ucheb. zav.; chern. met. 8 no.5:200-203
'65. (MIRA 18:5)

1. Moskovskiy institut stali i splavov.

GRAKOVSKIY, P.P.

Effect of vegetative hybridization on the change in hereditary qualities of malting barley. Agrobiologija no.2:226-230
Mr-Ap '64. (MIRA 17:6)

1. Volynskaya gosudarstvennaya sel'skokhozyaystvennaya optytnaya stantsiya, Ukrainskaya SSR.

GRAKUSHA, G. A.

In an article entitled "Twenty Years of the State Scientific Control Institute for Veterinary Preparations", Candidate for chemical sciences G. A. GRAKUSHA with candidate of veterinary sciences A. I. Shmilevich synthesized a new preparation - thiargin - which proved a very effective agent against pyroplasmoseis(?)
SO: Veterinariya, 28, No. 3: 58-61, March 1951 Uncl lme
Trans XIII by L. Lulich (filed under org'n file under above named institute)

GRAL, T.; ERDELYI, R.

Congenital adrenogenital syndrome. Rozhl.chir.39 no.11:744-747
N°60.

1. Interna klinika LFUK Kosice, prednosta doc.dr. F.Por
Oddelenie plastickej chirurgie KUNZ Kosice, prednosta kand.vied
dr. R.Erdelyi.

(ADRENOGENITAL SYNDROME case reports)

HOSZOWSKA, Anna; KRETSCHMER, Ryszard; KUJAWA, Helena; GRALA, Ryszard

Therapeutic use of bitter lye from Inowrocław in diseases of
the biliary tract and liver. Pol. tyg. lek. 18 no.28:1009-
1013 8 Jl '63.

1. Z I Kliniki Chorob Wewnętrznych AM w Poznaniu; kierownik:
prof. dr med. S. Kwaśniewski i z Instytutu Balneoklimatycznego
w Poznaniu; dyrektor: prof. dr med. J. Jankowiak.

(MINERAL WATERS) (LIVER DISEASES)
(BILIARY TRACT) (DISEASES)

GRALA, Ryszard; ADAMSKI, Alojzy; KRETSCHMER, Ryszard

Therapeutic effects of hepasson in liver cirrhosis. Pol. tyg.
lek. 20 no.14:523-525 5 Ap '65.

1. Z I Kliniki Chorob Wewnetrznych AM w Poznaniu (Kierownik:
doc. dr. K. Jasinski).

GRALAK, Z.

At Redlowo the Pulaski is sinking. P. 2
MORZE. (Liga Morska) Warszawa.
No. 4, Apr. 1956

SOURCE: EEAL LC Vol. 5, No. 7, July 1956

GRALESKI, Zdzislaw

A case of unilateral motor disorders following diphtheria.
Neurol. neurochir. Psychiat. Pol. 14 no.1:67-69 Ja-F '64.

1. Z Państwowego Szpitala dla Nerwowo i Psychicznie Chorych
w Rybniku (Dyrektor: dr. J. Szczeniowski).

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516520007-5

GRALEWSKA, A.

The lumber industry in Finland. p. 29.

(OCHRONA PRACY: BEZPIECZENSTWO I HIGIENA PRACY. Vol. 12, No. 7, July 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 10, October 1957. Uncl.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516520007-5"

GRALIKOWSKI, Mieczyslaw; PODSIADLO, J.

Methods for quantitative spectrum analysis of the copper, zinc
and lead content of ores. Magy kem folyoir 68 no.12:531-533
D '62.

1. Geologial Kutato Intezet, Krakko, Lengyelorszag.

GRALINSKI, M

"Analysis of dyestuff in textiles." p. 260 (Przemysl Wlokienniczy, Vol. 7, No. 11/12,
Nov./Dec., 1953, Lodz)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 6, June.
1954, Uncl.

✓ 1232
Grałiński M. Improvement in Methods of Dyeing Tissues with Glacial
Dyes.

667.248 : 877.064

„Usprawnienie sposobu barwienia tkanin barwnikami lodowymi”.
Przemysł Wiórkiewniczy, No 3, 1935, pp. 91–95.

The author discusses the reaction of conjugating naphthoates with naphthoate bases on fibres and quotes the amounts of components required for continuous dyeing. An improvement has been devised at the Laboratory of the Textile Industry Institute, which will substantially cut the costs of the industry. Application of the wetting agent Petepon G, made it possible to reduce the concentration of naphthoate red in the developing bath from 15 g/l to 12 g/l, i.e., by 20 per cent, without perceptible differences in the depth of the coloration and with the same coloristic effects. Petepon G should be added (in quantities of 3 g/litre of the bath) to a diazotized and neutralized bath with sodium acetate.

Chemical

POLAND/Chemical Technology - Chemical Products and Their
Application. Dyes and chemical Treatment of
Textile Materials.

H-34

Abs Jour : Ref Zhur - Khimiya, No 17, 1958, 59628

Author : Gralinski Miroslaw

Inst Pub :
Title : Observations Concerning dyes and the Use of Vipolan
[sic] II. Dyeing of Vipolan. Directions Concerning
Its Use.

Orig Pub : Wlokiennictwo, 1956, 5, No 5, 116-118

Abstract : Methods of dyeing are reviewed as well as a group of dyes
used for dyeing the casein fiber (CF) vipolan. Taking
into consideration the small resistance of CF to water,
and the great difficulties of dyeing mixtures of wool-
CF, this fiber finds very limited use in the manufacture
of textile articles.

Report I, see RZhKhim, 1957, 64948.

Card 1/1

POLAND / Chemical Technology. Natural and Synthetic H-31
Caoutchouc. Rubber.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 79765.

Author : Gralinski, M.

Inst : Not given.

Title : The Change in Color Under the Influence of Vul-
canization.

Orig Pub: Przem. wlokienniczy, 1957, 11, No 8, 385-387.

Abstract: The change in color shades of 110 dyes was stud-
ied for cotton and synthetic fibers under vulcan-
ization. The effect of light and laundering is
evident only in a few cases, and changes the
color insignificantly. After vulcanization, as
a rule, a weakening in color as well as a change

Card 1/2

96

POLAND / Chemical Technology. Natural and Synthetic H-31
Caoutchouc. Rubber.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516520007-5

Ahs Jour: Ref Zhur-Khimiya, No 23, 1958, 79765.

Abstract: in-shades was noted. Chrome yellow R was an
exception. Yellow dyes acquire a greenish shade;
orange dyes — dirty green, red and sometimes
violet ones — bluish. Vulcanization does not
affect the laundry or light resistance.

Card 2/2

GRALINSKI, Miroslaw, mgr inz.

Chemical methods of determining the percentage of individual components used in forming a fiber blend. Przegl wlokienn 17 no. 3: 116-122 Mr '63.

Review of publications. Ibid.: 136.

1. Textiles Institute, Lodz.

GRALOV, Gel'mut [Gralow, Helmut)

Women in public service. Vsem.prof.dvizh. no.6:47-51 Je '59.
(MIRA 13:4)

1. Mezhdunarodnoye ob"yedineniye profsoyuzov trudyashchikhsya
obshchestvennogo obslushivaniya.
(Woman--Employment)

GRAM, I.; TIMUS, A.; COJOCARU, I.

Technique of ginning and removing flax dodder seeds. I. p. 370.

INDUSTRIA TEXTILA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania si Ministerului Industriei Usoare) Bucuresti. Vol. 6, no. 11, Nov. 1955.

So. East European Accessions List Vol. 5, No. 9 September, 1956

GORCHAKOV, S.N.; GRAM, I.I., starshiy inzhener; KONDRAT'YEV, M.S., inzhener-mekhanik; IVANOVSKIY, N.P.; KOVALEV, M.A., starshiy energetik tresta.

Improving the use and repair of building machinery. Strei.prem.34 no.6:
39-40 Je '56. (MIRA 9:9)

1.Glavnyy mekhanik tresta Zaporezhsstroy (fer Gorchakov).2.Otdel glavnego
mekhanika tresta Vostokneftstroy (fer Kondrat'yev).3.Glavnyy mekhanik
tresta Stal'montash-5 Minstroya SSSR (fer Ivanovskiy).
(Building machinery)

GRAMA, O., ing.

Conductivity of electrolyte solutions and its applications
in the measurement of Na Cl solutions. Metrologia apl
11 no. 4: 164-174 Ap '64.